

Bibliographic data: AU 5550896 (A)

Method and apparatus for distributed queue digital data transmission employing variable length data slots

Publication date: 1996-11-07
Inventor(s): CAMPBELL GRAHAM M; WU CHIEN-TING +
Applicant(s): ILLINOIS TECHNOLOGY INST +
Classification: - international: **H04L12/413; H04L12/56;** (IPC1-7): H04Q11/04
 - European: H04L12/413
Application number: AU19960055508D 19960417
Priority number(s): US19950426806 19950421; WO1996US05277 19960417

Also published as:

- WO 9633590 (A1)
- WO 9633590 (A9)

Abstract not available for AU 5550896 (A)

Abstract of corresponding document:
 WO 9633590 (A1)

A data transmitting and receiving network includes a plurality of nodal apparatus for sending and receiving digital data in variable length data slots. The nodal apparatus includes a storage device [76] for maintaining a conflict resolution queue representative of a nodal apparatus sending simultaneous requests for transmission causing a collision during a minislot. The nodal apparatus also includes a transmission queue [86], stored in the storage device [76]. The transmission queue [86] is indicative of a nodal apparatus that has successfully transmitted during a minislot. The apparatus includes a transmitter [66] for sending a variable length data slot signal comprising digital data in response to the state of the transmission queue [86]. The nodal apparatus also includes a receiver [300] for receiving a variable length data slot signal.

